AMENDMENTS TO THE SPECIFICATION

Please replace the paragraph beginning on page 23, line 13, of the originally filed specification, with the following paragraph.

> During a medical procedure, catheter 20 is inserted into area of interest 25. Console [[34]] 24 typically generates a map 37 of the area of interest. For example, techniques may be used that are described in the above-cited U.S. Pat. Nos. 6,226,542 and 6,301,496 to Reisfeld, European patent application EP 1 125 549 and corresponding U.S. patent application Ser. No. 09/506,766 to Ben-Haim et al., and/or co-pending U.S. patent application Ser. No. 09/598,862 to Govari, all of which are incorporated herein by reference, adapted for use with the techniques described herein. Alternatively, techniques known in the art, e.g., imaging modalities, are used for generating map 37. Map 37 is displayed on monitor 26 with an indication of the location of distal tip 34 of catheter 20 superimposed upon it, typically using position information generated from position sensor 30.

Please replace the paragraph beginning on page 24, line 1, of the originally filed specification, with the following paragraph.

> For some applications, in order to drive control mechanism 22, computer 28 implements an algorithm that uses an iterative process to direct distal tip [[26]] 34 to the desired position, responsive to position information generated by position sensor 30 at each iteration. By continuously checking the location of distal tip 34 and appropriately driving the control mechanism 22, the computer precisely controls the location of distal tip 34, regardless of the particular structure of catheter 20 or characteristics of the tissue surrounding catheter 20 at any given time. Additionally, for some applications, computer 28 uses information generated during the iterative process concerning location and motion of distal tip 34, to perform continuous real-time calibration of the system, thus ensuring reliability and accuracy of the system regardless of the character of the tissue through which the catheter is being guided.

As required under 37 C.F.R. §1.121(b)(1)(ii), the full text of each replacement paragraph presented above is provided with markings to show all changes relative to the previous version of the paragraph it replaces.